



QC ABSTRACT

NAME OF WORK: "Drilling of Borewells and Providing Pipe Line in Ward No:01 of Yelahanka Sub Division."

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
Materials						
1	WMM	Sieve Analysis	One Test		1	1
		Impact Value	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1

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AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-2021-01-16-50 Date: 09-12-19
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : "Drilling of Borewells and Providing Pipe Line in Ward No:01 of Yelahanka Sub Division."
Agency : Sri.Rajanna.N, No:54/1, Venkata, Yelahanka, Bangalore-64
Customer Reference : EE(YNK.D)E-PMT-15/W.O/000136/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 07-12-19
Type of Mix : WMM (Wet Mix Macadam)
Date of Test : 07-12-19
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	315	315	2.9	97.1	95-100
22.4	2259	2574	23.4	76.6	60-80
11.2	2179	4753	43.2	56.8	40-60
4.75	2251	7004	63.7	36.3	25-40
2.36	1621	8625	78.4	21.6	15-30
0.6	623	9248	84.1	15.9	8-22
0.075	1338	10586	96.2	3.8	0-5

* The results obtained are satisfactory as per standard requirements.

Note:-

The results pertain to the samples received and tested.
All information Furnished by Customer/ Representative
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Samples will be disposed after 30 days from the date of issue of test certificate

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KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING



TEST REPORT OF AGGREGATE IMPACT VALUE IS: 2386 Part IV

Lab ID : CP-2021-01-16-50 Date: 09-12-19
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : "Drilling of Borewells and Providing Pipe Line in Ward No:01 of Yelahanka Sub Division."
Agency : Sri.Rajanna.N, No:54/I, Venkata, Yelahanka, Bangalore-64
Customer Reference : EE(YNK.D)E-PMT-15/W.O/000136/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 07-12-19
Type of Mix : Coarse Aggregate for WMM (Wet Mix Macadam)
Date of Test : 07-12-19

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SLNo	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample (passing 12.5 mm and retained on 10mm sieve)	A	300.2	300.2
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	73.9	74.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	225.9	225.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.4
5	Aggregate impact value	(B/A)*100	24.6	24.7
6	Aggregate impact value (Mean of two tests)	Percentage	24.6	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager



DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE (IS 2386 (Part 1) 1963 (RA 2007))

Lab ID : CP-2021-01-16-50 Date: 09-12-19
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : "Drilling of Borewells and Providing Pipe Line in Ward No:01 of Yelahanka Sub Division."
Agency : Sri.Rajanna.N, No:54/1, Venkata, Yelahanka, Bangalore-64
Customer Reference : EE(YNK.D)E-PMT-15/W.O/000136/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 07-12-19
Type of Mix : Coarse Aggregate for WMM (Wet Mix Macadam)
Date of Test : 07-12-19

Result:

Index	Percentage of Flakiness and Elongation Index	Specified limits as per MORTH specification table 400-12
Flakiness Index	12.8%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	12.5%	
Combined Flakiness and Elongation Index for WMM	25.3%	

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KARTHIK RECHAN
Authorized Signatory
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